

Title (en)

WINDSCREEN WIPER SYSTEM FOR VEHICLES AND FIXING DEVICE FOR SUCH A SYSTEM

Title (de)

SCHEIBENWISCHANLAGE FÜR FAHRZEUGE SOWIE BEFESTIGUNGSELEMENT FÜR EINE SOLCHE ANLAGE

Title (fr)

SYSTEME D'ESSUIE-GLACES POUR VEHICULES ET ELEMENT DE FIXATION POUR UN SYSTEME DE CE TYPE

Publication

EP 1718507 B1 20080116 (DE)

Application

EP 05707548 A 20050221

Priority

- EP 2005001771 W 20050221
- DE 102004009040 A 20040223

Abstract (en)

[origin: WO2005080156A1] The invention relates to a windscreen wiper system for motor vehicles. Said windscreen wiper system comprises at least three spaced-apart connections or fixing devices for the screwless installation of the windscreen wiper system on the vehicle body. The fixing devices consist of respective fixing elements that can be inserted in a receiving or fixing opening (16) and that are anchored therein by snapping in. At least one fixing element (17, 19) has a socket (19) which is produced from an elastic material and can be inserted in the receiving and fixing opening (16). Said socket is configured with at least one projection (23) that is used as the snap-in element. In order to reduce the installation force required, a cavity (24) is provided on the socket (19) in the area of the projection (23) on a socket axis (AT) which is radially in-set relative to said projection.

IPC 8 full level

B60S 1/04 (2006.01)

CPC (source: EP US)

B60S 1/0447 (2013.01 - EP US); **B60S 1/0444** (2013.01 - EP US)

Cited by

WO2012098072A1; US9067568B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005080156 A1 20050901; AT E383977 T1 20080215; BR PI0507943 A 20070724; CN 100532164 C 20090826; CN 1922061 A 20070228; DE 102004009040 A1 20050908; DE 502005002570 D1 20080306; EP 1718507 A1 20061108; EP 1718507 B1 20080116; ES 2300986 T3 20080616; JP 2007522994 A 20070816; US 2007294851 A1 20071227

DOCDB simple family (application)

EP 2005001771 W 20050221; AT 05707548 T 20050221; BR PI0507943 A 20050221; CN 200580005686 A 20050221; DE 102004009040 A 20040223; DE 502005002570 T 20050221; EP 05707548 A 20050221; ES 05707548 T 20050221; JP 2006553561 A 20050221; US 59042505 A 20050221